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System level modeling

Integrated framework; Auxiliary power units; Fuel cell; Cost modeling (Baratto, F. (139) 205)

Temperature distribution

Inverse method; Non-destructive measurement; Fuel cell (Cheng, C.-H. (139) 115)

Thermal and water management

Hydrogen fuel cell; Fuel cells for transportation; Air management; Fuel cells for hybrid vehicles; Cold start of fuel cell systems (Ahluwalia, R.K. (139) 152)

Thermal battery

Electrolyte; Retention; MgO magnesia (Masset, P. (139) 356)

Thermal engineering practice

Solid oxide fuel cell; Electrochemical model; Finite element analysis; Heat-transfer mechanism; Thermal insulation (Chyou, Y.-P. (139) 126)

Thermal insulation

Solid oxide fuel cell; Thermal engineering practice; Electrochemical model; Finite element analysis; Heat-transfer mechanism (Chyou, Y.-P. (139) 126)

Thermodynamics analysis

Solid oxide fuel cell; Direct internal reforming; Carbon formation; Methanol; Hydrogen-conducting electrolyte (Assabumrungrat, S. (139) 55)

Thin film

Lithium manganate; Sol-gel; Kinetic analysis (Das, S.R. (139) 261) Thin YSZ electrolyte

Surface modification; Wet-chemical process; Nitrogen permeability; Electrical performance (Kim, S.D. (139) 67)

TPR-CH

Autothermal reforming of methane; Ni/γ-Al₂O₃; Autoreduction; Noble metals (Dias, J.A.C. (139) 176)

Two-phase flow

Fuel cell; DMFC; MEA; Methanol; Flow visualization (Yang, H. (139) 79)

Unreacted monomer

Polymer electrolyte; Polyethylene glycol diacrylate (PEGDA); Interfacial resistance; Monomer decomposition; Lithium-ion battery (Lee, K.-H. (139) 284)

V(II)/V(III)

Vanadium redox flow cell; V(IV)/V(V); Glassy carbon; Parameters (Oriji, G. (139) 321)

V(IV)/V(V

Vanadium redox flow cell; V(II)/V(III); Glassy carbon; Parameters (Oriji, G. (139) 321)

Vanadium redox flow cell

V(IV)/V(V); V(II)/V(III); Glassy carbon; Parameters (Oriji, G. (139) 321)

Water

Mass distribution; Fuel cell; Flooding; Solid polymer electrolyte (Dong, Q. (139) 106)

Wet-chemical process

Surface modification; Thin YSZ electrolyte; Nitrogen permeability; Electrical performance (Kim, S.D. (139) 67)

X-ray photoelectron spectroscopy

ASnO₃ (A = Sr, Ba); Ca₂SnO₄; Anode material; Electrochemical performance; Lithium-ion battery (Sharma, N. (139) 250)

Zirconium tricarboxybutylphosphonate

Polybenzimidazole; Composite membrane; Intermediate temperature operation; SEM; PEMFCs (Jang, M.Y. (139) 2)